

IN THE CLAIMS:

Please amend claims 1, 12, 16, and 20-22 as follows. Please cancel claim 2 without prejudice or disclaimer.

1. (Currently Amended) A method comprising:
providing quality information regarding quality of results of past measurements associated with location determination by at least two measurement devices;
storing said quality information and identity information associated with the at least two measurement devices; and
providing selection information for selection of measurement devices for future location determinations, based upon the stored quality and identity information,
wherein the providing selection information comprises self-learning based upon historical quality information associated with the measurement devices.

2. (Cancelled).

3. (Previously Presented) The method of claim 1, wherein the providing selection information comprises ranking possible measurement devices based upon historical quality information associated with measurement devices.

4. (Previously Presented) The method of claim 3, comprising selecting proper measurement devices based on the ranking.

5. (Original) The method of claim 1, comprising storing information identifying at least one cell of a mobile system.

6. (Previously Presented) A method comprising:

triggering a location process;

obtaining selection information for selection of at least one measurement device, the selection information including information of measurement devices that have historically provided measurement information that satisfies a predefined criteria;

selecting at least one measurement device; and

locating user equipment based on measurement information from the selected at least one measurement device.

7. (Previously Presented) A method comprising:

storing historical data of various measurements in a mobile system;

selecting at least one measurement device based upon the historical data;

self-learning based upon selected historical data associated with measurement devices.

8. (Previously Presented) The method of claim 7, wherein the self-learning comprises maintaining a self-learning table wherein look-up parameters are matched with information regarding the success of measurements by measurement devices obtained after a location attempt.

9. (Previously Presented) The method of claim 8, wherein the maintaining a self-learning table comprises maintaining statistical historical information about which measurement devices were able to receive transmissions from the mobile user equipment when at least one look-up parameter was observed.

10. (Previously Presented) The method of claim 8, comprising matching cell identity and timing advance parameters and/or a location estimate with information regarding the past success of measurements by measurement devices obtained after a location attempt.

11. (Previously Presented) The method of claim 8, comprising matching look-up parameters with information regarding the past success of measurements by location measurement units obtained after an uplink time difference of arrival location attempt.

12. (Currently Amended) A location system comprising:
at least two measurement devices configured to provide measurement data for location determination;
a quality controller configured to provide quality information regarding quality of results of past measurements by the at least two measurement devices;
a storage configured to store quality information of measurements by the at least two measurement devices; and
a selection controller configured to provide selection information for selection of measurement devices for future location determinations based upon quality information that is stored in the storage,
wherein the location system is configured to self-learn based upon the quality information regarding the quality of results of past measurements by the at least two measurement devices.

13. (Original) The location system of claim 12, wherein the quality controller, the storage and the selection controller are provided in a location service element of a mobile system.

14. (Original) The location system of claim 12, comprising a location service element configured to select at least one measurement device based upon selection information, the selection information including information of measurement devices that have historically provided measurement information that satisfies a predefined criteria,

and to locate a user equipment based on measurement information from selected at least one measurement device.

15. (Original) The location system of claim 12, wherein the selection controller is provided in a user equipment.

16. (Currently Amended) A network element for a mobile system, the network element comprising:

a processor configured to process quality information associated with the quality of results of past location measurements by a plurality of measurement devices and to provide selection information for selection of at least one measurement device for future location determinations based upon the quality information,

wherein the processor is further configured to self-learn based upon the quality information associated with the quality of results of past location measurements.

17. (Original) The network element of claim 16, wherein the processor is configured to provide deciding means for deciding which location measurement units can be used to locate a particular mobile user equipment.

18. (Original) The network element of claim 16, comprising a serving mobile location center.

19. (Original) The network element of claim 16, comprising a separate network element connected to a serving mobile location center.

20. (Currently Amended) A user equipment for a mobile system, the user equipment comprising:

a processor configured to process quality information associated with the quality of results of past location measurements by a plurality of measurement devices of a first type and to provide selection information for selection of which of said plurality of measurement devices of a first type to use for future location determinations based upon the quality information,

wherein the processor is further configured to self-learn based upon the quality information associated with the quality of results of past location measurements.

21. (Currently Amended) A computer program comprising program code means adapted to perform the following when the program is run on a computer: ~~at least one of steps of~~

providing quality information of results of past location measurements by a plurality of measurement devices of a first type; ~~and~~

obtaining selection information for selection of at least one of ~~which of~~ said plurality of measurement devices of a first type to use for future location determinations based upon the quality information; ~~and when the program is run on a computer~~

self-learning based upon the quality information of the results of past location measurements by the measurement devices.

22. (Currently Amended) A system comprising:

providing means for providing quality information regarding quality of results of past measurements associated with location determination by at least two measurement devices;

storing means for storing said quality information and identity information associated with the at least two measurement devices; and

selecting means for providing selection information for selection of measurement devices for future location determinations based upon the stored quality and identity information,

wherein the selecting means comprises self-learning means for self-learning based upon historical quality information associated with the measurement devices.

23. (Previously Presented) A system comprising:

triggering means for triggering a location process;

obtaining means for obtaining selection information for selection of at least one measurement device, the selection information including information of measurement devices that have historically provided measurement information that satisfies a predefined criteria;

selecting means for selecting at least one measurement device; and

locating means for locating user equipment based on measurement information from the selected at least one measurement device.

24. (Previously Presented) A system comprising:

storing means for storing historical data of various measurements in a mobile system;

selecting means for selecting at least one measurement device based upon the historical data;

self-learning means for self-learning based upon selected historical data associated with measurement devices.